

Intertek Caleb Brett

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**230 Crescent Avenue
Chelsea, Ma. 02150****REPORT OF ANALYSIS**

Our Ref.	99931120	Product	# 6 Fuel Oil
Client(s)	Sprague	Grade	2.0%
Client(s) Ref.	TBN	Sample Date	12/18/2003
Classification	Shore Tank 1 after discharge	Test Date	12/18/2003
Vessel/Barge	United Moonlight	Report Date	12/18/2003
Terminal	Sprague	Location	Portsmouth, NH

Tests	Method	Results	Unit of Measure
API Gravity @ 60°F	D-4052	12.5	API
Flash Point, PMCC	D-93 B	204	Deg. F
Pour Point/Upper	D-97	-3/27	Deg. C/F
Sulfur Content	D-4294	*2.00	WT. %
S & W Content	D-1796	0.50	Vol. %
Viscosity @ 122°F	D-445	251.2	cSt
	D-2161	118.8	SFS
Ash Content	D-482	0.063	WT. %
Heat of Combustion	D-240	18,398	Btu/lb
Gravity	Table 8	8.184	Btu/lb
Heat of Combustion	D-240	151,569	Btu/Gal.
Nitrogen	D5762	0.34	WT. %
Vanadium	D5863B	138	ppm
Sodium	D5863B	24	ppm
Water by Distillation	D-95	0.40	Vol. %
Sediment by Extraction	D-473	0.06	WT. %
Asphaltenes	D-3279	4.8	Wt. %
Conradson Carbon Residue	D-189	10.8	Wt. %

* Avg/2 Test Runs

Joe Glennon
Intertek Caleb Brett

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